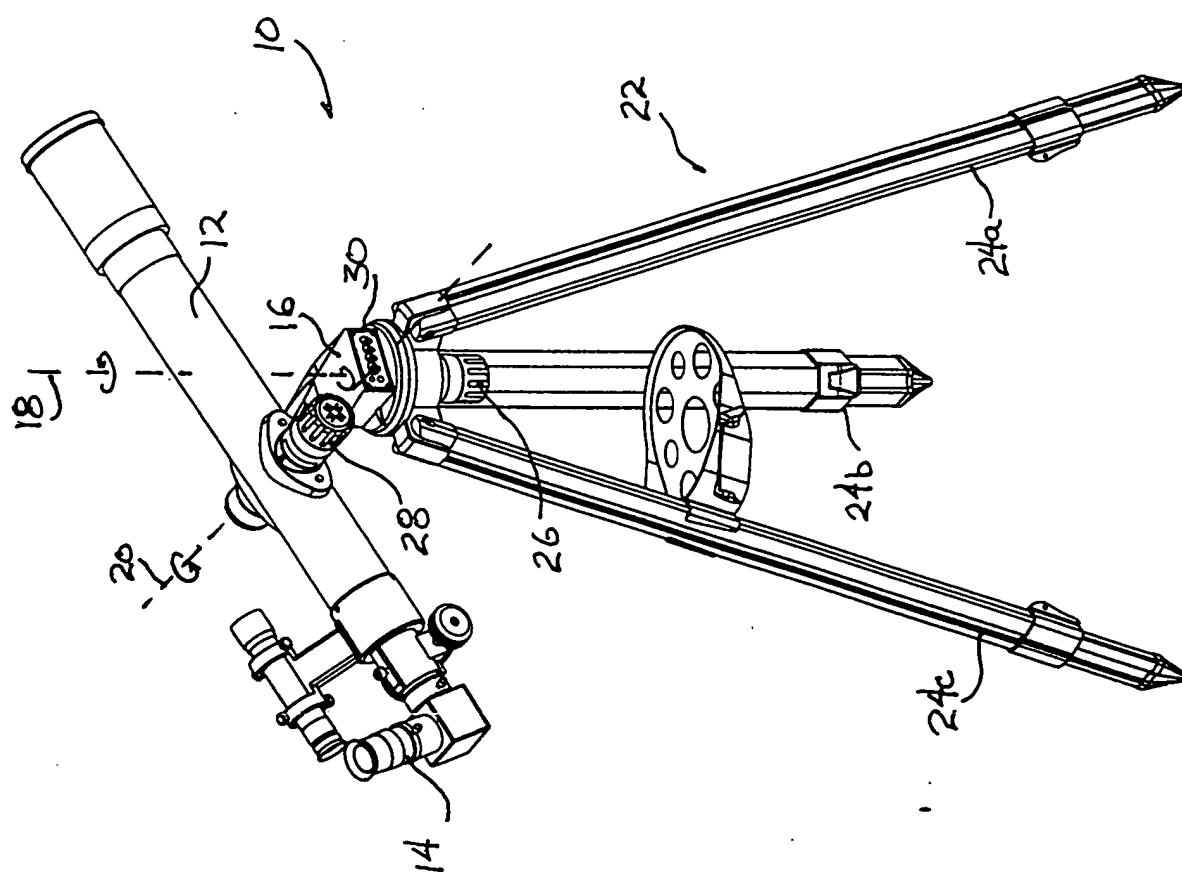


FIG. 1



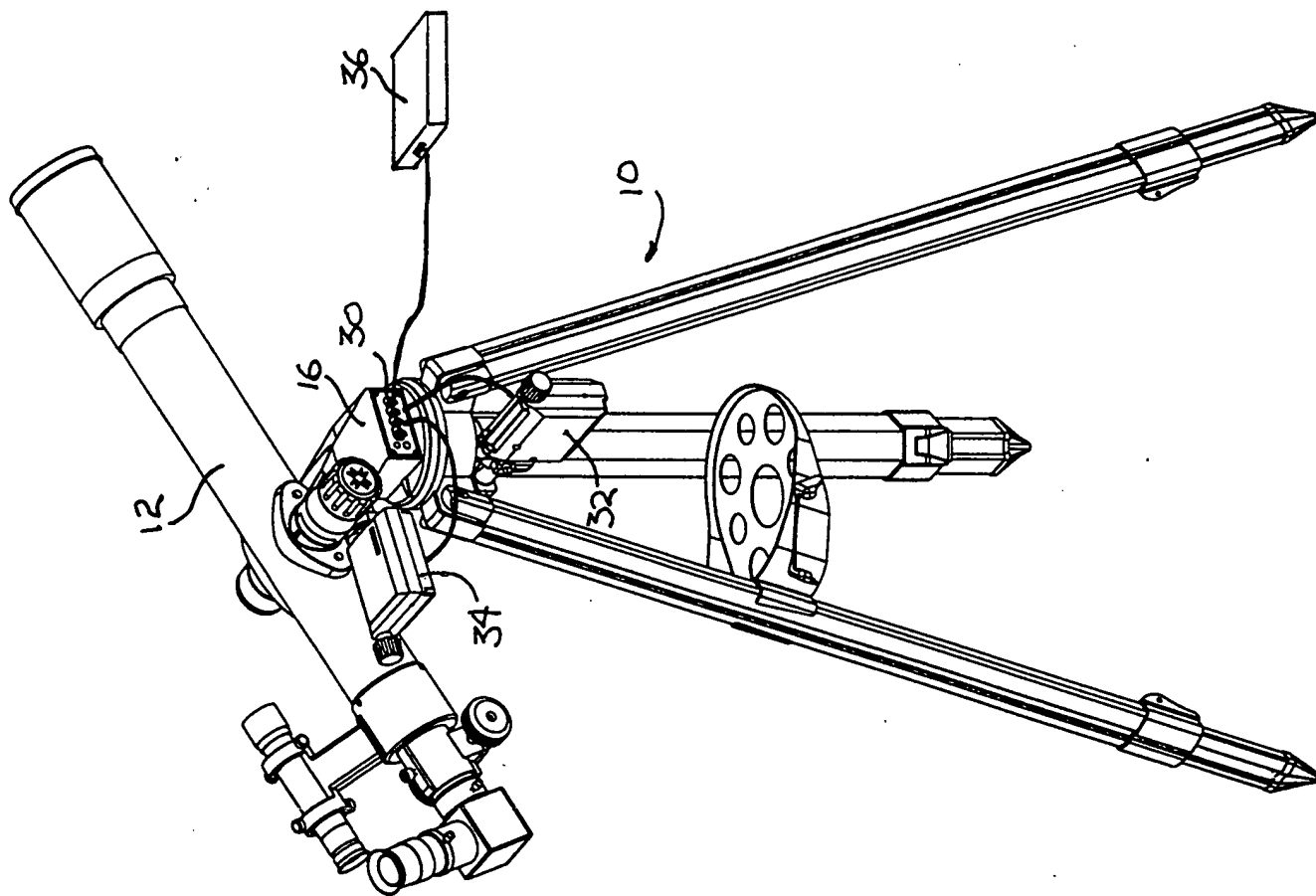


FIG. 2

This drawing is a perspective view of the instrument of FIG. 1, showing the instrument in a closed position. The instrument is shown in a closed position, with the rods folded against the main body. The instrument is shown in a closed position, with the rods folded against the main body.

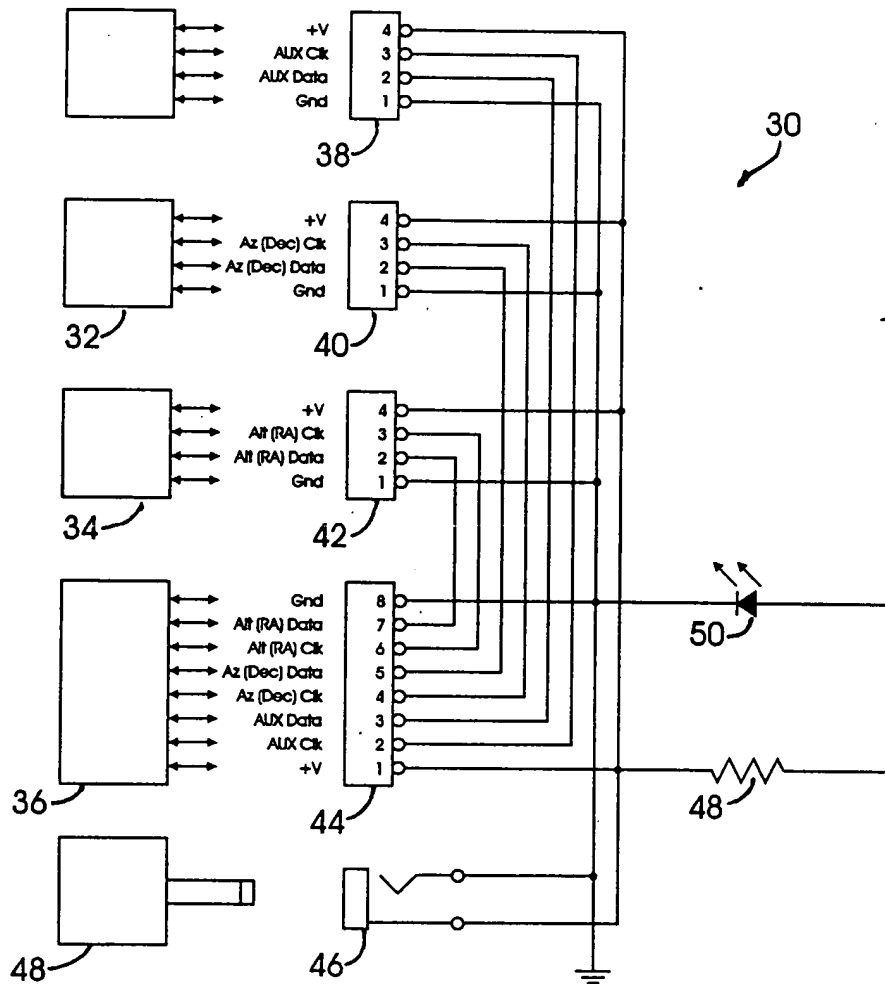


FIG. 3a

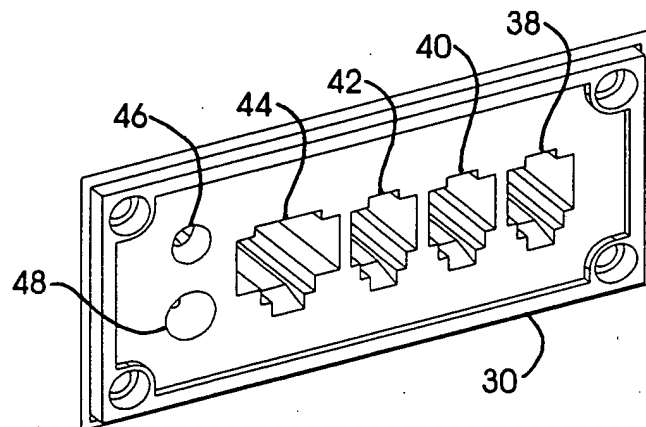


FIG. 3b

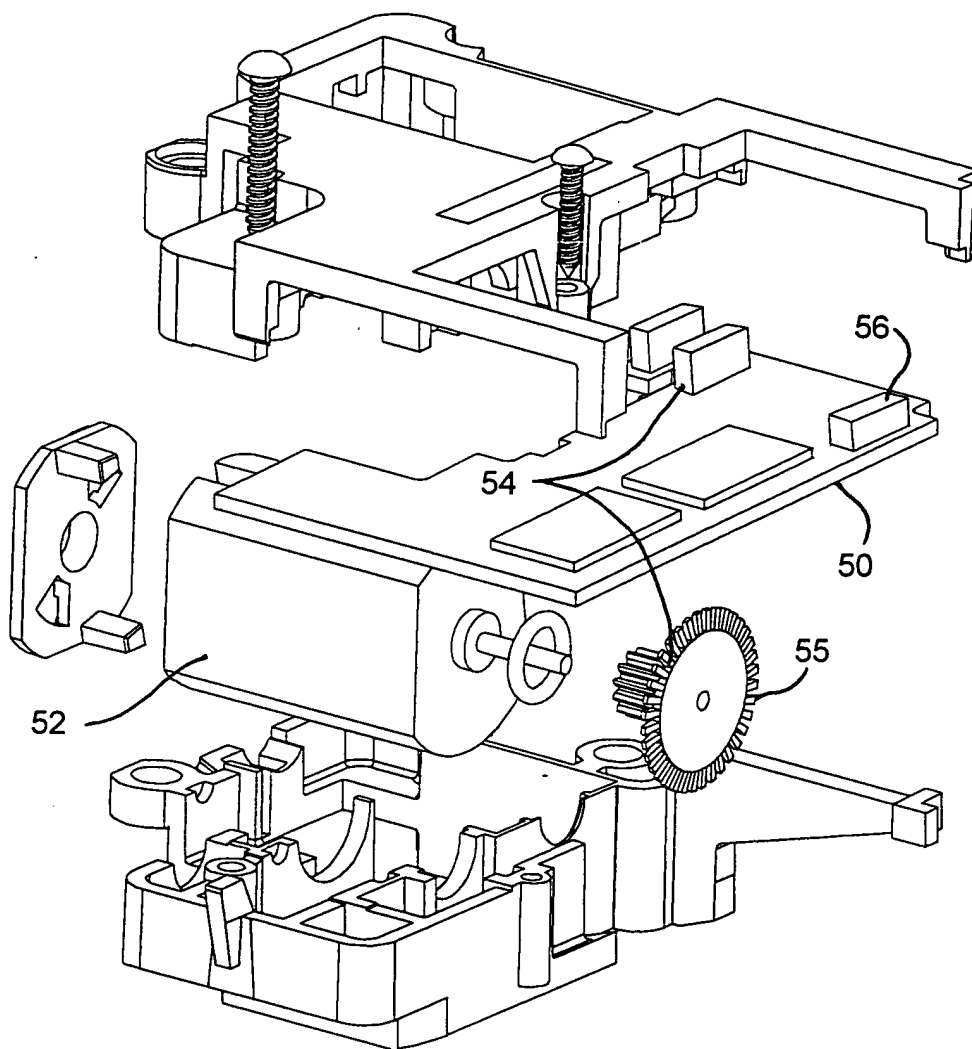


FIG. 4a

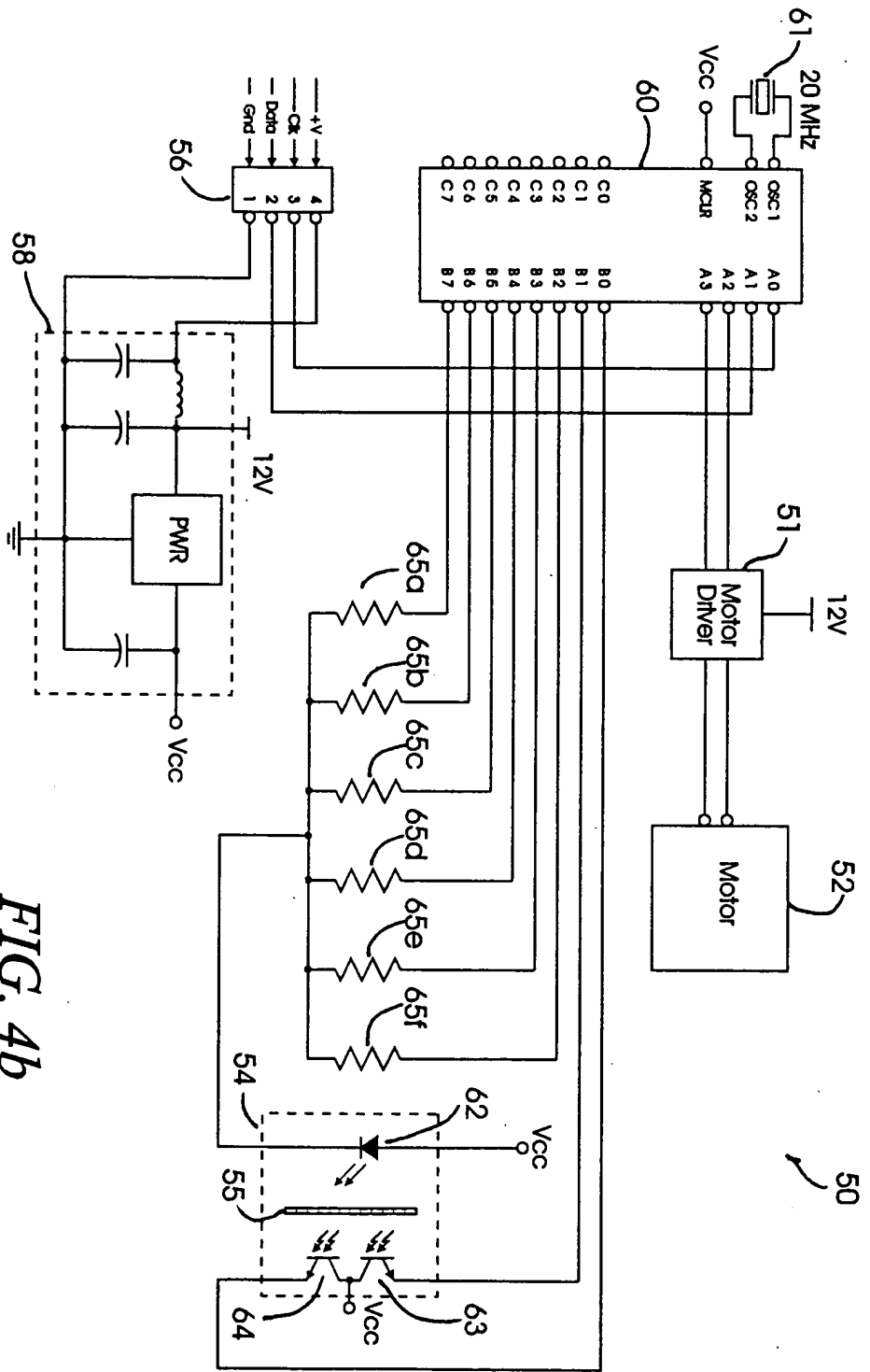


FIG. 4b

FIG. 4b is a schematic diagram of a motor control system. The system includes a microcontroller (60) with pins A0-A3, B0-B7, C0-C7, OSC1, OSC2, and MCLR. A 20 MHz crystal (61) is connected to OSC1 and OSC2. The microcontroller's A0-A3 pins are connected to a Motor Driver (51), which controls a Motor (52). The B0-B7 pins are connected to a series of resistors (65a-65f) leading to a Vcc supply (62). The C0-C7 pins are connected to a Vcc supply (63). A power management section (58) includes a PWR block, a 12V supply, and a GND connection. A switch (54) is connected to the Vcc supply (62) and the motor driver. A transistor (64) is connected to the Vcc supply (63) and the motor driver. A diode (63) is connected to the Vcc supply (62) and the motor driver.

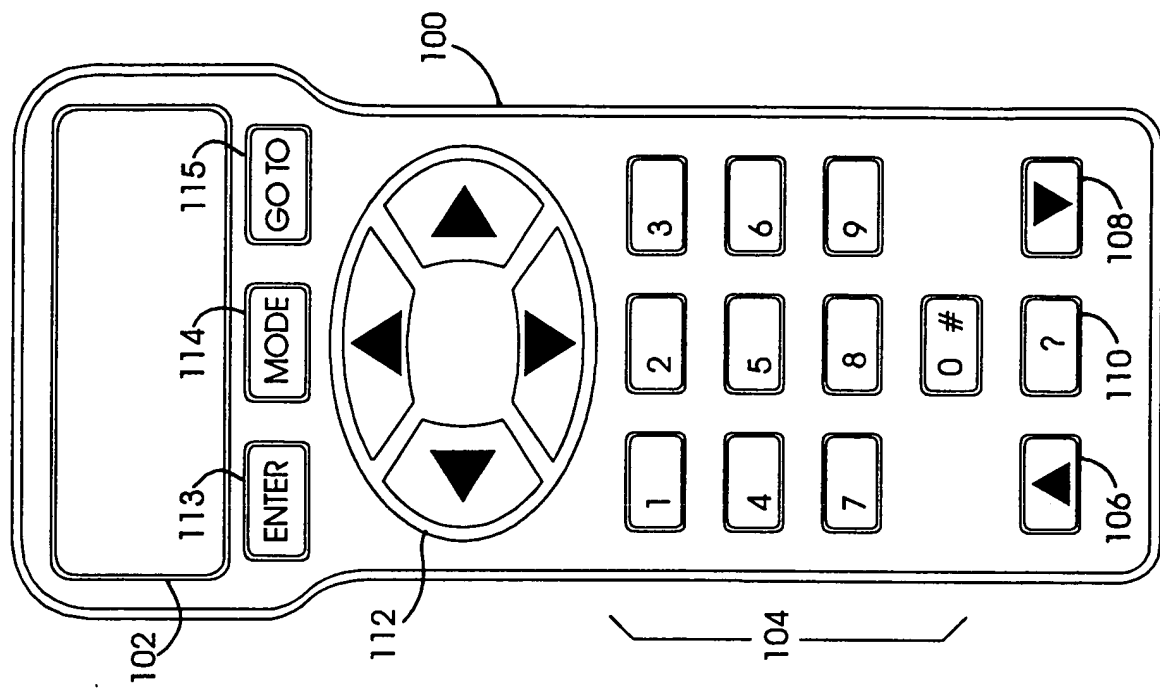


FIG. 6a

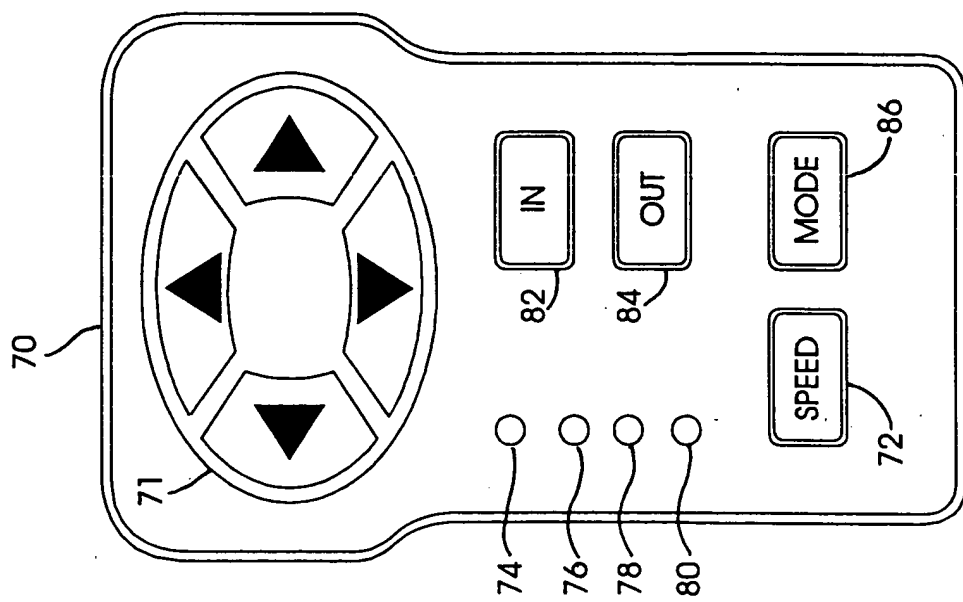


FIG. 5a

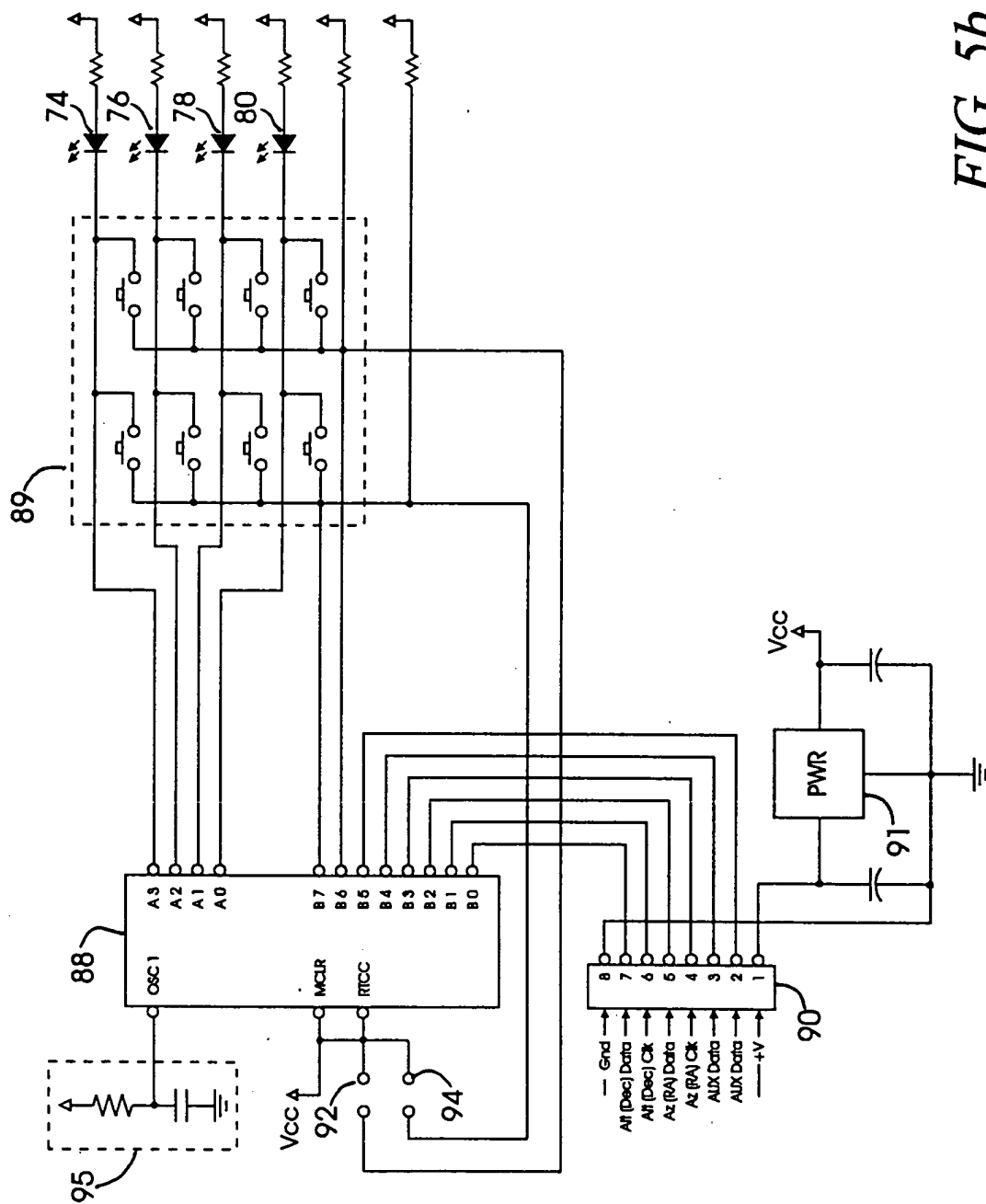


FIG. 5b

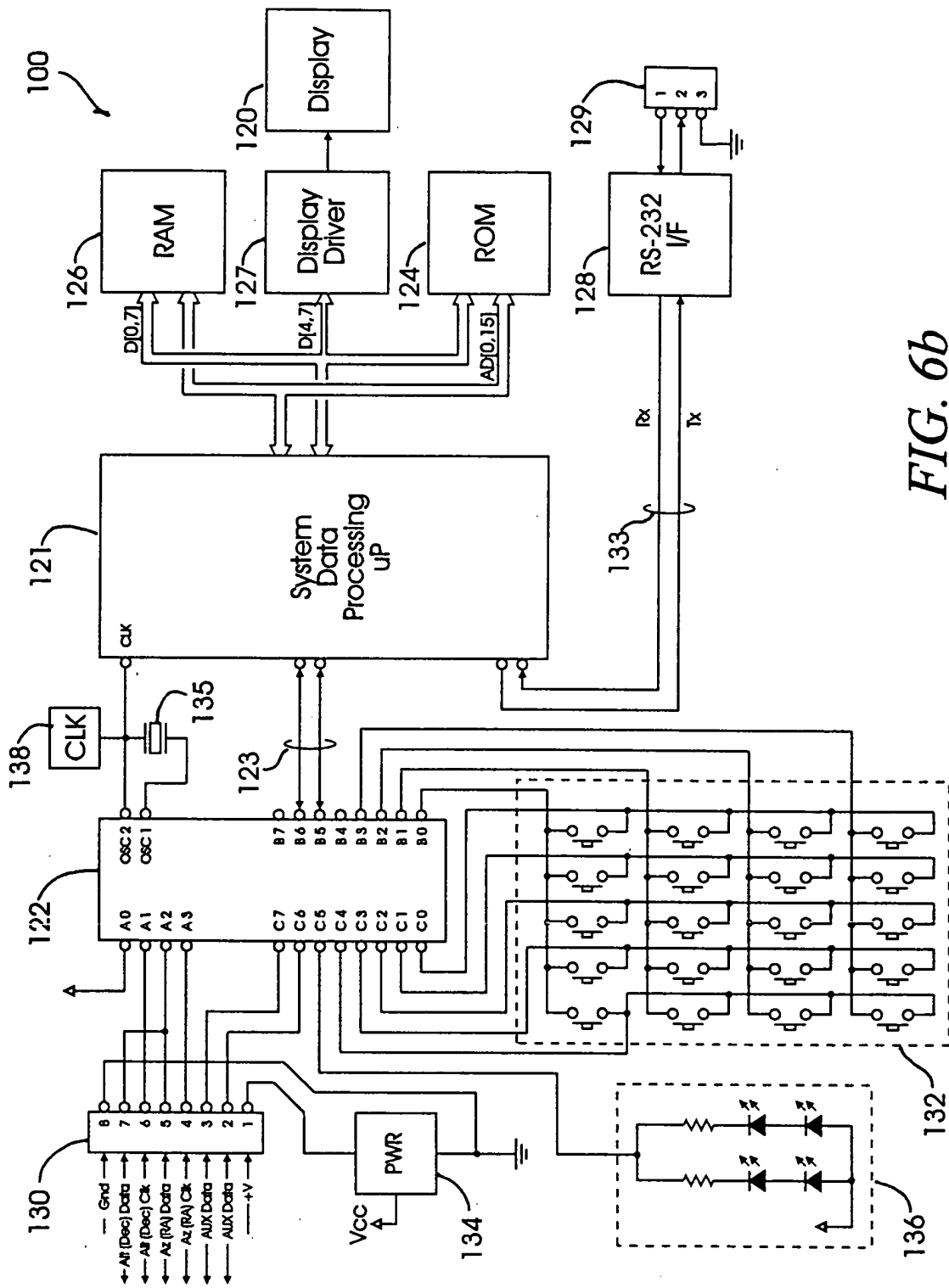


FIG. 6b

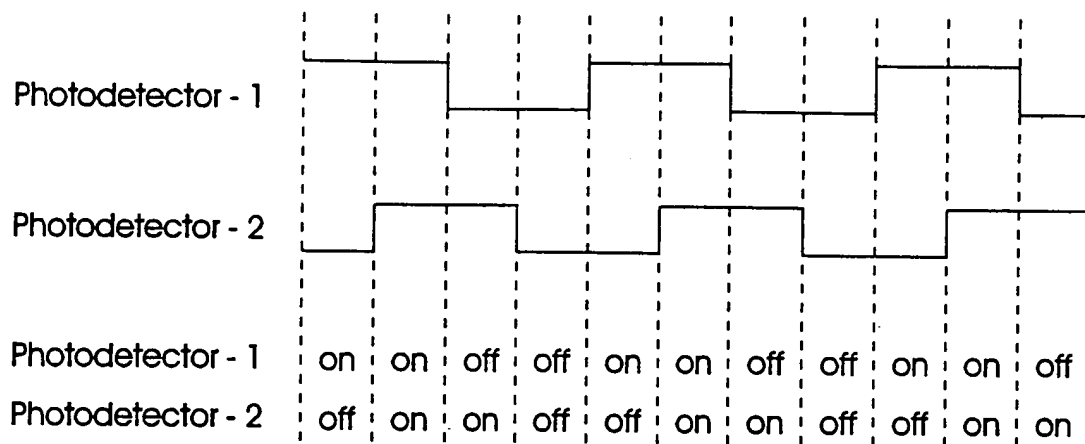


FIG. 7a

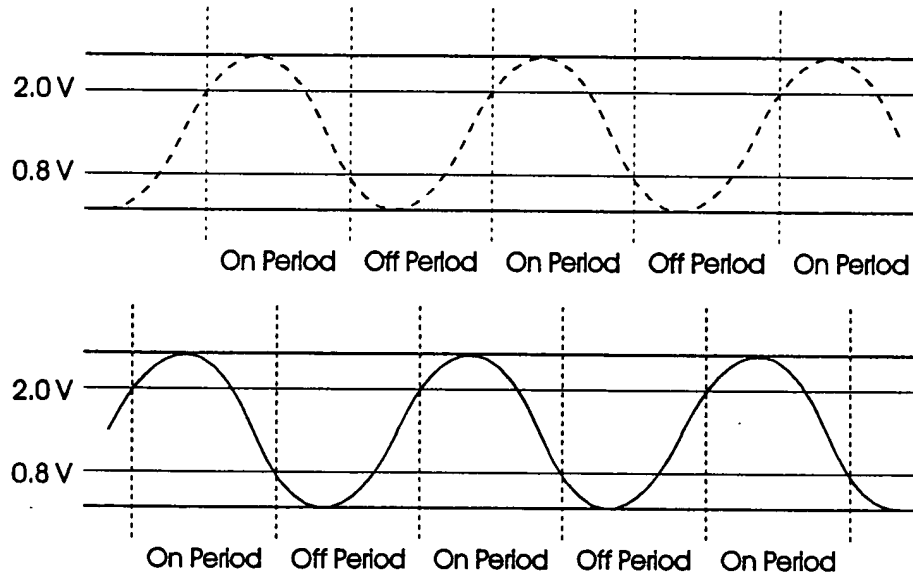


FIG. 7b

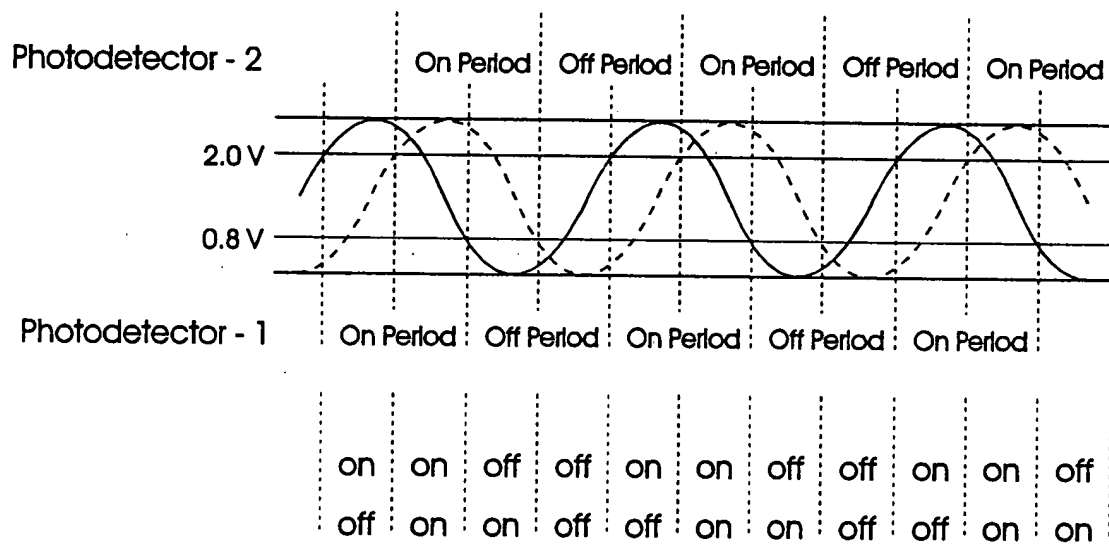


FIG. 7c

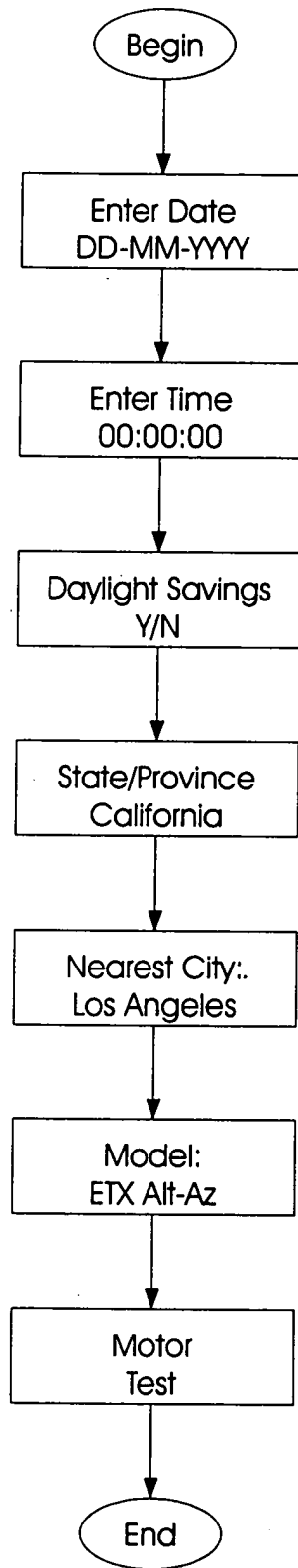


FIG. 8

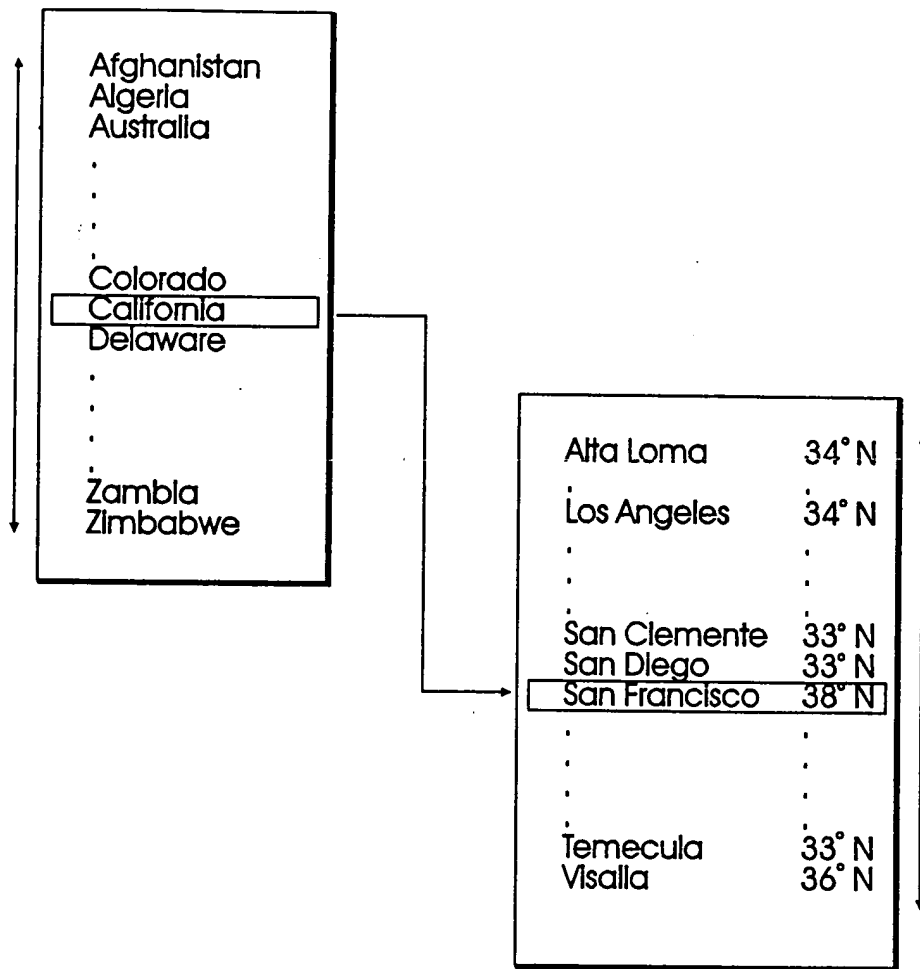


FIG. 9

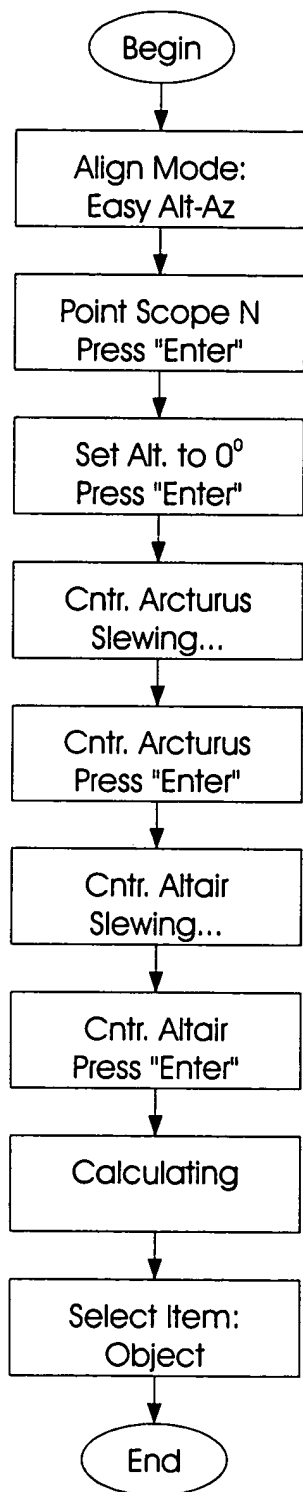


FIG. 10a

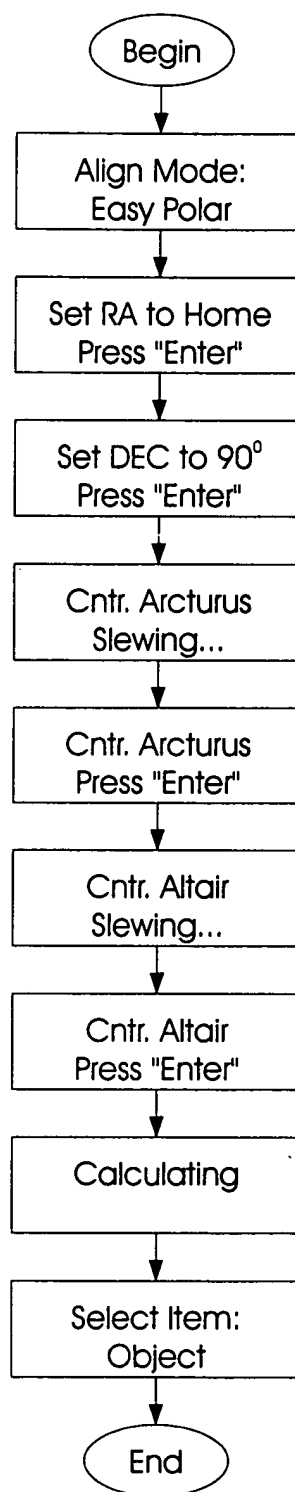


FIG. 11a

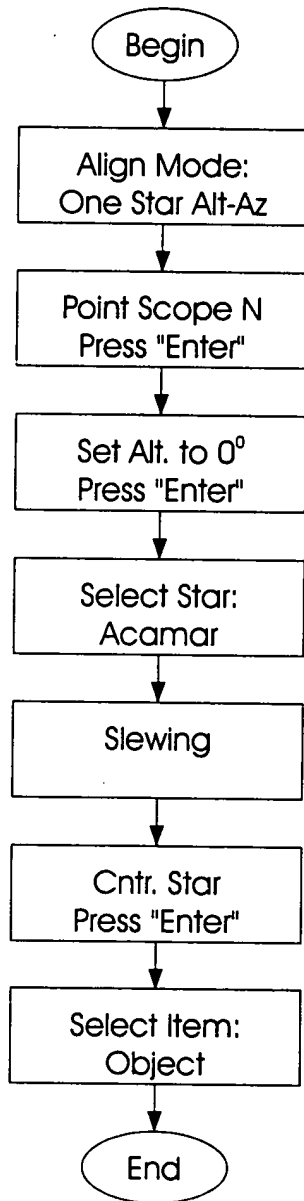


FIG. 10b

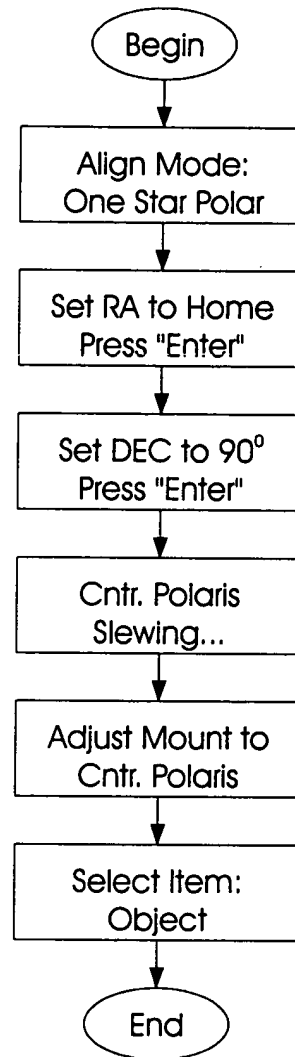


FIG. 11b

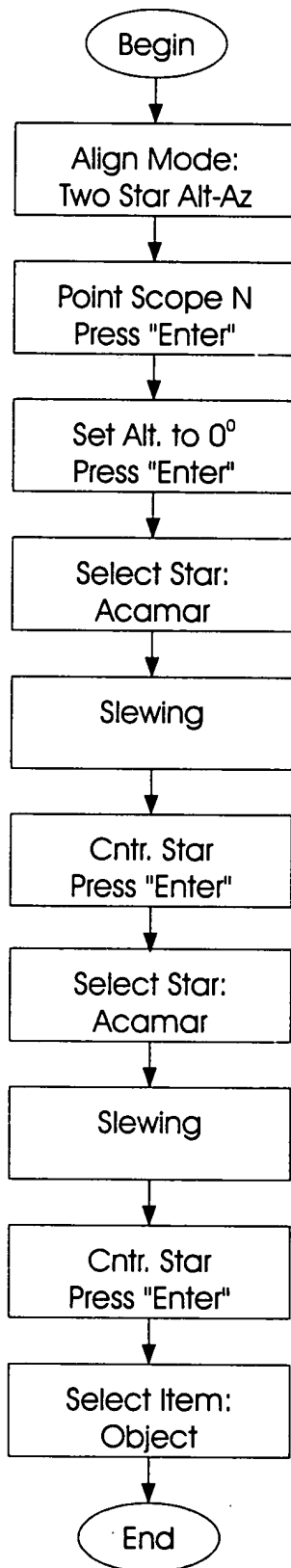


FIG. 10c

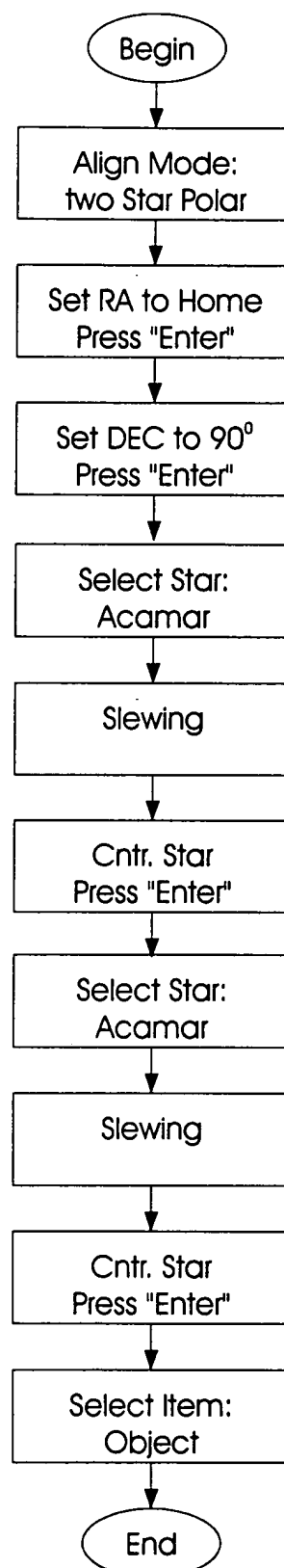


FIG. 11c

Initiating Packet : Master to Target

Byte 0 (>) - n	Count byte, n = 1 to 255
Byte 1 (>) - A	Address select byte, A = 0 - 255: A = 0 = Broadcast
Byte 2 (>) - xx	Command byte, xx = content
•	Intermediate bytes, device unique
•	
•	
•	
Byte n (>) - xx	"Last" byte, device unique

Response Packet : Target to Master

Byte 0 (<) - n	Count byte, n = 1 to 254
•	Intermediate bytes, device unique
•	
•	
•	
Byte n (<) - xx	"Last" byte, device unique

FIG. 12

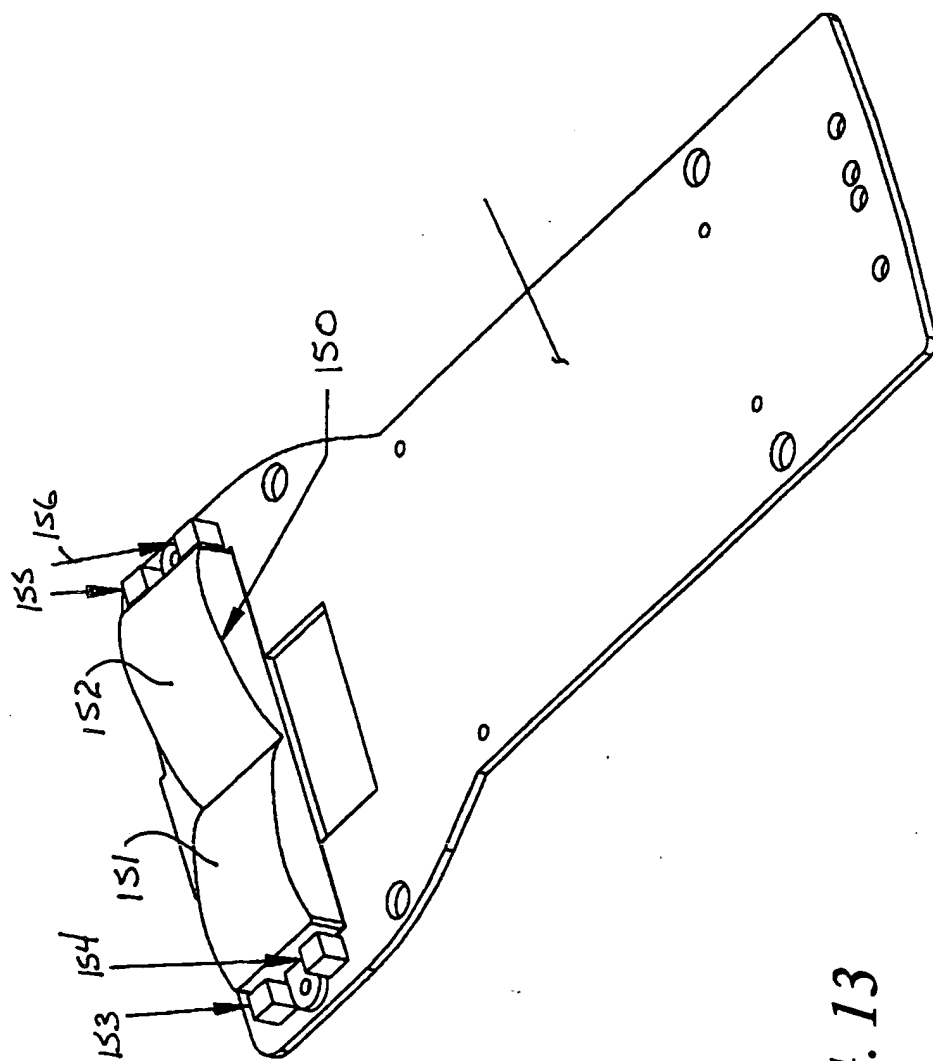


FIG. 13

FIG. 14 is a perspective view of the device 100 in a folded position. The device 100 includes a base 160 and a telescopic tube 165. The base 160 is supported by three legs 160a, 160b, and 160c. The telescopic tube 165 is mounted on the base 160 via a pivot 163. The telescopic tube 165 is extended in the folded position. The device 100 also includes a lens 164 and a display 166. The display 166 is located on the base 160 and displays the number 8888. The device 100 is shown in a perspective view.

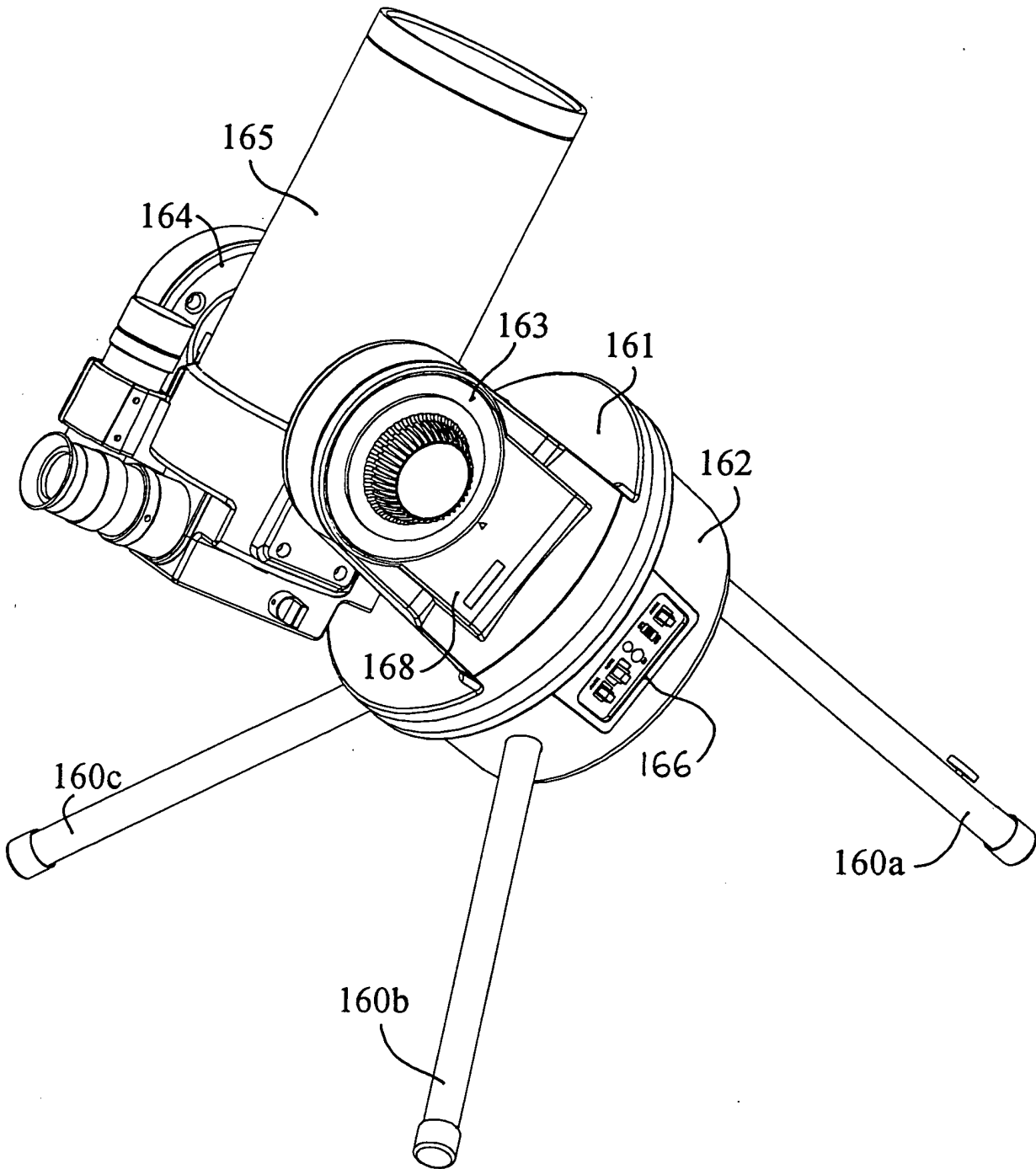


FIG. 14

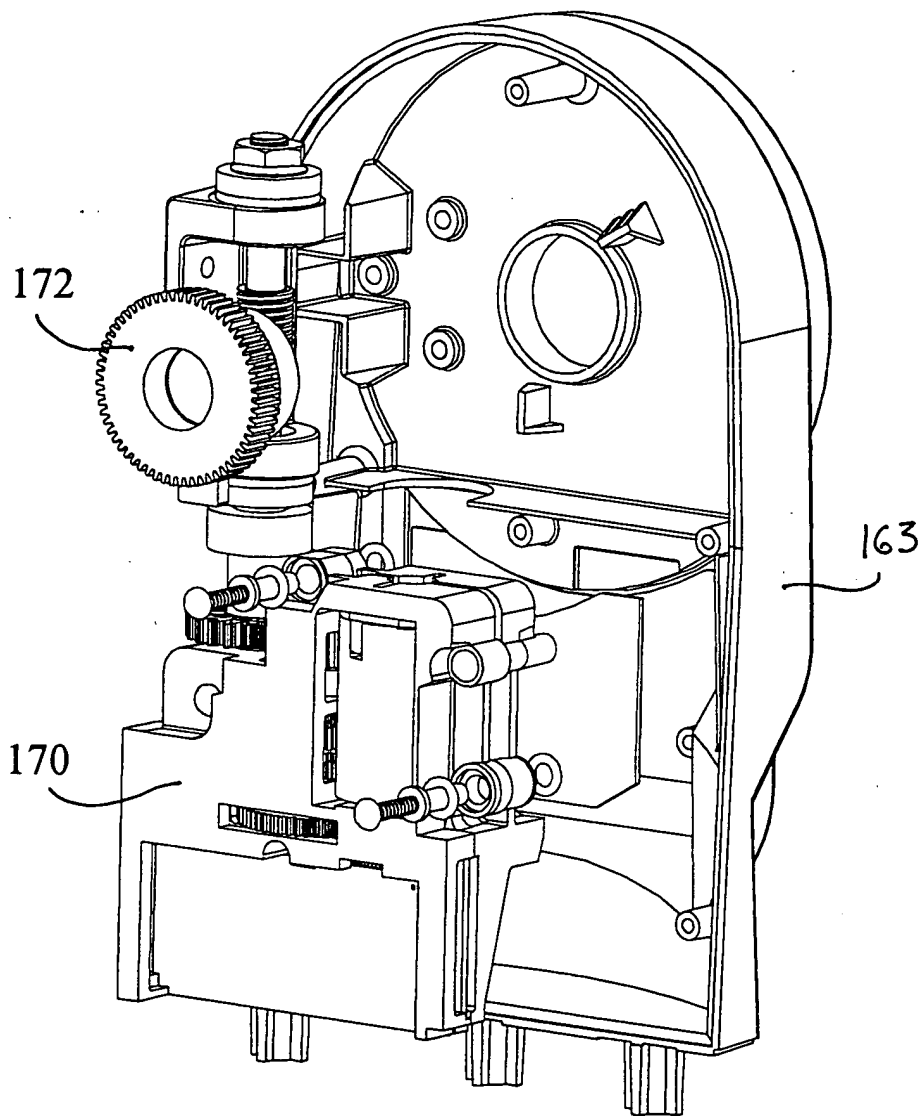


FIG. 15

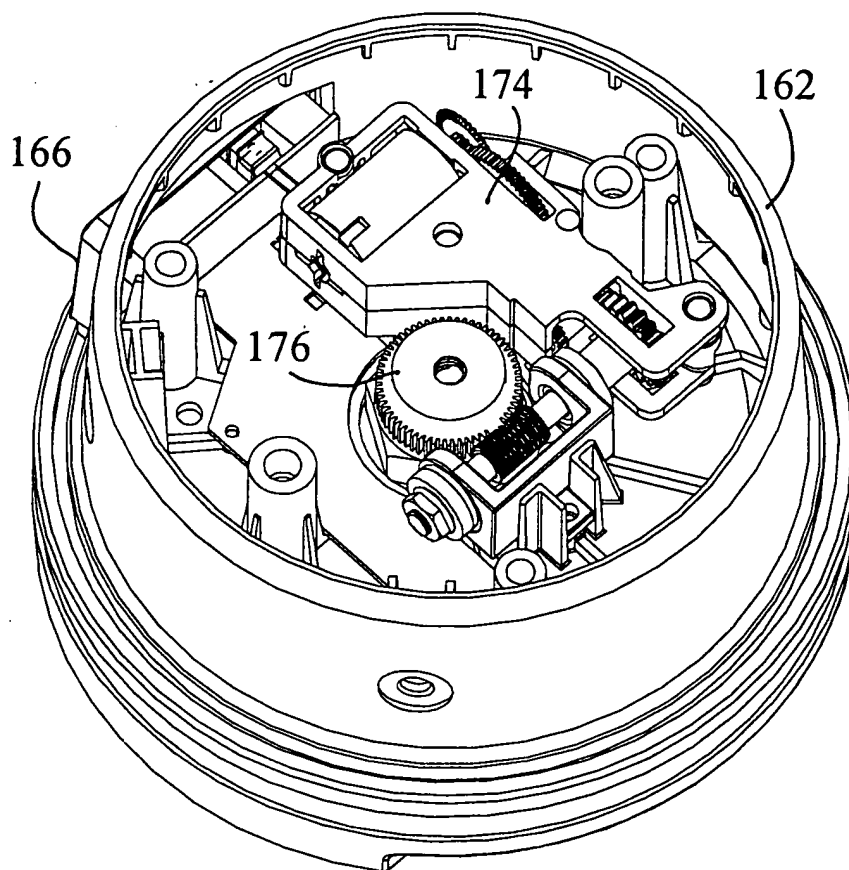


FIG. 16

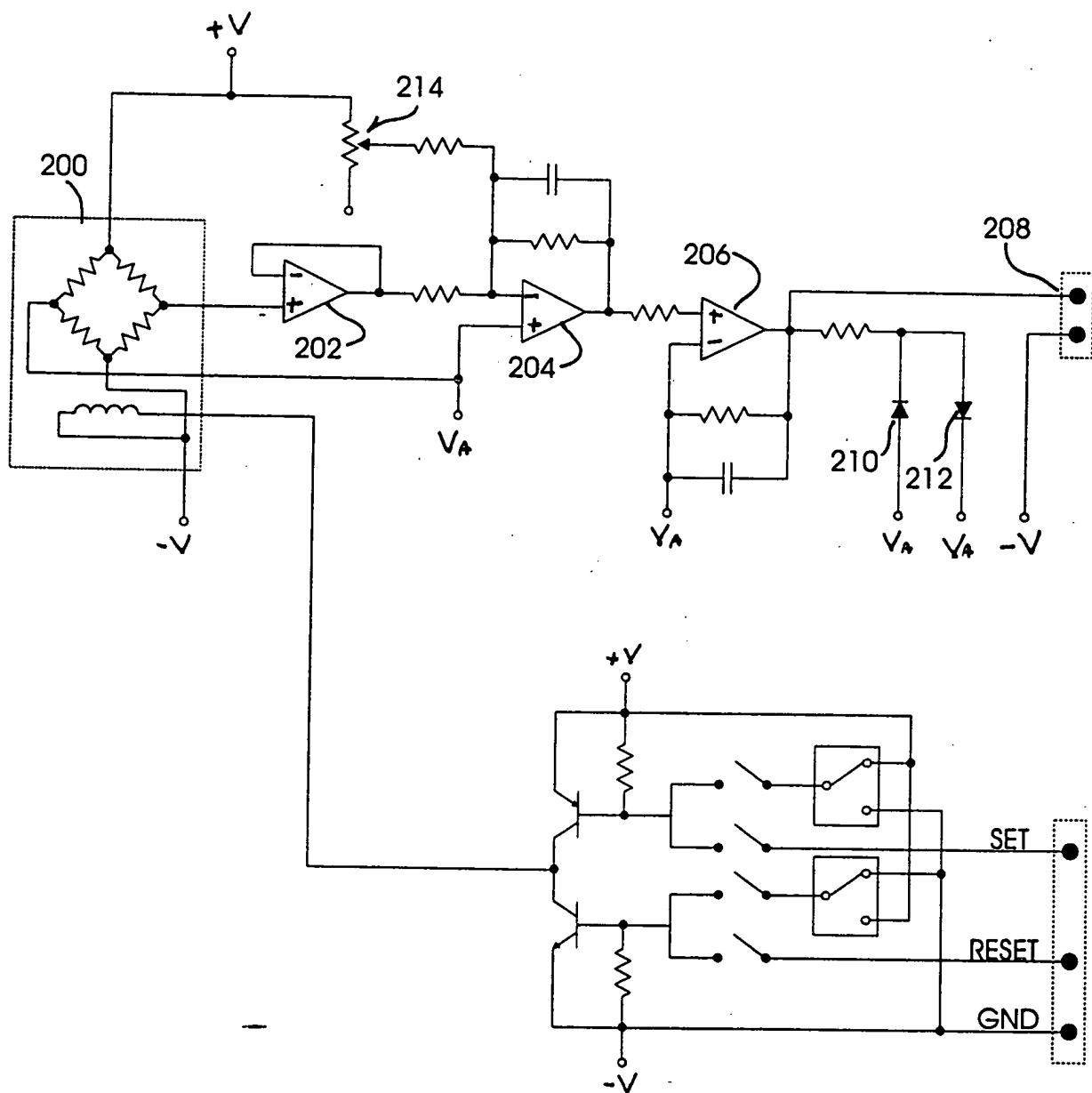


FIG. 17